

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the above-identified application.

Listing of Claims:

1. (Currently Amended) A polynucleotide comprising:
distinct first and second transposase-interacting inverted repeat sequence pairs, each sequence pair having a first member and a second member provided in an inverted orientation relative to the first member, each sequence pair having a specificity for binding to and interacting with a distinct transposase enzyme, members of the first sequence pair flanking members of the second sequence pair; and
a first sequence for conferring selectability upon a host cell, wherein the selectability conferring sequence is directly between members of distinct repeat sequence pairs.
2. (Original) A polynucleotide as claimed in Claim 1 wherein the first or second transposase-interacting inverted repeat sequence pair comprises Tn5 wild-type inside end sequences.
3. (Original) A polynucleotide as claimed in Claim 1 wherein the first or second transposase-interacting inverted repeat sequence pair comprises Tn5 mosaic end sequences.
4. (Original) A polynucleotide as claimed in Claim 1 wherein the first or second transposase-interacting inverted repeat sequence pair comprises Tn5 wild-type outside end sequences.
5. (Currently Amended) A polynucleotide as claimed in Claim 1 further comprising between the members of the second inverted repeat sequence pair a first second sequence for conferring selectability upon a host cell.

6. (Currently Amended) A polynucleotide as claimed in Claim 5 further comprising, between the members of the second inverted repeat sequence pair, a polynucleotide that encodes a transposase that specifically binds to and interacts with the second sequence pair and still further comprising, between a first adjacent pair of distinct inverted repeat sequences, a second sequence for conferring selectability upon a host cell.

7. (Original) A polynucleotide as claimed in Claim 6 further comprising an origin of replication between the first adjacent pair of distinct inverted repeat sequences.

8. (Original) A polynucleotide as claimed in Claim 6 further comprising a preselected polynucleotide sequence insert between a second adjacent pair of distinct inverted repeat sequences.

9-18. (Cancelled)